



# MileWide LED gen2 small

## BRP435 GRN40-/740 II DM SI CLO-DDF2 C10K

MileWide 2 side entry, LED GreenLine 4000 lm, Distribution medium

Philips MileWide LED Gen2, developed together with Holscher Design, is the latest generation of our highly popular MileWide lighting family that features a range of dedicated masts and brackets. The pure, clean design of MileWide LED Gen2 integrates perfectly with the cityscapes of today and tomorrow. Available in two sizes, BPP435 (small) and BPP436 (large), this MileWide pole light will bring a touch of elegance and fluidity to any urban application (side entry versions: BRP435 and BRP436). Thanks to its advanced LED engine, and use of application-tailored optics, MileWide LED Gen2 delivers outstanding quality of light and light performance, enabling significant energy savings, yet still providing perfectly uniform light on the road. The luminaire is available with one or two Zhaga-D4i (ZD4i) System Ready (SR) sockets, which makes the luminaire future ready. This means MileWide LED Gen2 is ready to pair with advanced controls and lighting software applications such as Interact, or sensors such as the Philips Outdoor Sensor Bundle (OSB). Furthermore, each MileWide LED Gen2 luminaire is uniquely identifiable, thanks to the Signify Service tag app. By simply scanning a QR code, placed inside the door of the mast or directly on the luminaire, you can instantly access the configuration of the luminaire. This makes maintenance and programming operations faster and easier, and enables you to create a digital library of lighting assets and spare parts.

### Product data

General Information		Number of gear units	
Lamp family code	GRN40 [LED GreenLine 4000 lm]	Driver included	1 unit
Light source replaceable	No		Yes

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Remarks	*-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires – January 2018": statistically there is no relevant difference in lumen maintenance between B50 and for example B10. Therefore, the median useful life (B50) value also represents the B10 value.
Light source engine type	LED
Product family code	BRP435 [MileWide 2 side entry]
Lighting Technology	LED
Value ladder	Performance
Embedded control	Constant light output and DynaDimmer fixed presets version 2
CE mark	Yes
Warranty period	5 years
Flammability mark	-
ENEC mark	ENEC mark
EU RoHS compliant	Yes

### Light Technical

Upward light output ratio	0
Luminous Flux	3,429 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	116 lm/W
Color rendering index (CRI)	>70
Number of light sources	40
Light source color	740 neutral white
Optical cover type	Flat glass
Luminaire light beam spread	180°
Optic type outdoor	Distribution medium

### Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	23.6 W
Average CLO power consumption	26.55 W
End CLO power consumption	29.5 W
Inrush current	22 A
Inrush time	0.29 ms
Power Consumption	29.5 W
Power Factor (Fraction)	0.8
Connection	-
Cable	Cable 10 m without plug
Number of products on MCB of 16 A type 8 B	

### Temperature

Ambient temperature range	-40 to +50 °C
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### Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit regulating with constant light output
Control interface	-
Constant light output	Yes

### Mechanical and Housing

Housing Material	Aluminum
Reflector material	-
Optic material	Polymethyl methacrylate
Optical cover material	Glass
Fixation material	Aluminum
Housing Color	Silver
Mounting device	Side-entry for diameter 40 to 48 mm
Optical cover shape	Convex lens
Optical cover finish	Silkscreen print black
Overall length	610 mm
Overall width	276 mm
Overall height	108 mm
Effective projected area	0.035 m <sup>2</sup>
Dimensions (Height x Width x Depth)	108 x 276 x 610 mm

### Approval and Application

Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Surge Protection (Common/Differential)	Luminaire surge protection level until 6 kV differential mode and 8 kV common mode
Protection class IEC	Safety class II

### Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38, 0.37) SDCM <3
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2

### Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance at median useful life* 100000 h	L100

### Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	Not applicable

### Product Data

Order product name	BRP435 GRN40-/740 II DM SI CLO-DDF2 C10K
Full product name	BRP435 GRN40-/740 II DM SI CLO-DDF2 C10K
Full product code	871869610730000

MileWide LED gen2 small

Order code	910505016086
Material Nr. (12NC)	910505016086
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696107300

Numerator - Packs per outer box	1
EAN/UPC - Case	8718696107300

Dimensional drawing

